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**From:** Chow, Alice [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=B446A8F46F6447EE8294845B0A066623-ACHOW]  
**Sent:** 7/24/2019 1:21:23 PM  
**To:** Gross-Davis, CarolAnn [gross-davis.carolann@epa.gov]  
**Subject:** FW: EtO information for WV high risk sources - WV cancer incidence review  
**Attachments:** RE: EtO Cancer Incidence Study for Nonresponsive based on revised scope WV cancer incidence review

CAGD! Can you take a look at the emails about EtO and WV?

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Alice H. Chow  
Chief, Air Quality Analysis Branch (3AD40)  
USEPA, Region 3  
Phone: 215-814-2144  
Email: [chow.alice@epa.gov](mailto:chow.alice@epa.gov)

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**From:** Chakrabarty, Renu M <Renu.M.Chakrabarty@wv.gov>  
**Sent:** Wednesday, July 24, 2019 9:11 AM  
**To:** Chow, Alice <chow.alice@epa.gov>  
**Cc:** Crowder, Laura M <laura.m.crowder@wv.gov>; Arnold, David <arnold.david@epa.gov>; Fry, Jessica <fry.jessica@epa.gov>; David Fewell <david.r.fewell@wv.gov>; McClung, Jon D <Jon.D.McClung@wv.gov>  
**Subject:** RE: EtO information for WV high risk sources - WV cancer incidence review

Hi Alice,

Sure, I've attached an email with the information, including an attached Aug. 29, 2018 email from Dr. Erica Thomasson, CDD Career Epidemiology Field Officer with our WV Bureau for Public Health, DHHR.

Thanks,  
Renu

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**From:** Chow, Alice <[chow.alice@epa.gov](mailto:chow.alice@epa.gov)>  
**Sent:** Wednesday, July 24, 2019 7:19 AM  
**To:** Chakrabarty, Renu M <[Renu.M.Chakrabarty@wv.gov](mailto:Renu.M.Chakrabarty@wv.gov)>  
**Cc:** Crowder, Laura M <[Laura.M.Crowder@wv.gov](mailto:Laura.M.Crowder@wv.gov)>; Arnold, David <[arnold.david@epa.gov](mailto:arnold.david@epa.gov)>; Fry, Jessica <[fry.jessica@epa.gov](mailto:fry.jessica@epa.gov)>  
**Subject:** RE: EtO information for WV high risk sources

Renu: you mentioned a WV dept. of health study for the area. Can you get me a copy or a link to that study?

Thanks,  
Alice

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Alice H. Chow  
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**From:** Chakrabarty, Renu M <[Renu.M.Chakrabarty@wv.gov](mailto:Renu.M.Chakrabarty@wv.gov)>  
**Sent:** Tuesday, July 23, 2019 4:06 PM  
**To:** Chow, Alice <[chow.alice@epa.gov](mailto:chow.alice@epa.gov)>  
**Cc:** Crowder, Laura M <[laura.m.crowder@wv.gov](mailto:laura.m.crowder@wv.gov)>; Arnold, David <[arnold.david@epa.gov](mailto:arnold.david@epa.gov)>; Fry, Jessica <[fry.jessica@epa.gov](mailto:fry.jessica@epa.gov)>  
**Subject:** RE: EtO information for WV high risk sources

Thank you.

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**From:** Chow, Alice <[chow.alice@epa.gov](mailto:chow.alice@epa.gov)>  
**Sent:** Tuesday, July 23, 2019 1:57 PM  
**To:** Chakrabarty, Renu M <[Renu.M.Chakrabarty@wv.gov](mailto:Renu.M.Chakrabarty@wv.gov)>  
**Cc:** Crowder, Laura M <[Laura.M.Crowder@wv.gov](mailto:Laura.M.Crowder@wv.gov)>; Arnold, David <[arnold.david@epa.gov](mailto:arnold.david@epa.gov)>; Fry, Jessica <[fry.jessica@epa.gov](mailto:fry.jessica@epa.gov)>  
**Subject:** RE: EtO information for WV high risk sources

Hi! Here's my summary of the EtO call concerning chemical plants and inspections.

Also the 100 in a million risk came from the 1989 Benzene NESHAP rule that set up a 2-step risk based decision framework for the NESHAP program.

Alice

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**From:** Chow, Alice  
**Sent:** Friday, July 19, 2019 10:40 AM  
**To:** Chakrabarty, Renu M <[Renu.M.Chakrabarty@wv.gov](mailto:Renu.M.Chakrabarty@wv.gov)>  
**Cc:** Crowder, Laura M <[laura.m.crowder@wv.gov](mailto:laura.m.crowder@wv.gov)>; Arnold, David <[arnold.david@epa.gov](mailto:arnold.david@epa.gov)>; Fry, Jessica <[fry.jessica@epa.gov](mailto:fry.jessica@epa.gov)>  
**Subject:** EtO information for WV high risk sources

Renu, Laura: Please find the attached files for the 3 high risk facilities identified in the 2014 NATA. We have updated the analysis with 2017 emissions and used more local meteorological data (from airports). The new risk estimates are at the census block level (lowest unit) with associated maps. Also, we provided preliminary EJ Screen reports for your information.

If you would like a call to discuss these results, we can set something up next week. Just FYI, Pam Nixon has a call set up with us later this morning and we will let her know the status of our efforts in R3. We followup with you if needed.

Alice

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